[Continued on next page]

(54) Title: SEQUENTIAL DISPLAY SYSTEM WITH CHANGING COLOR ORDER
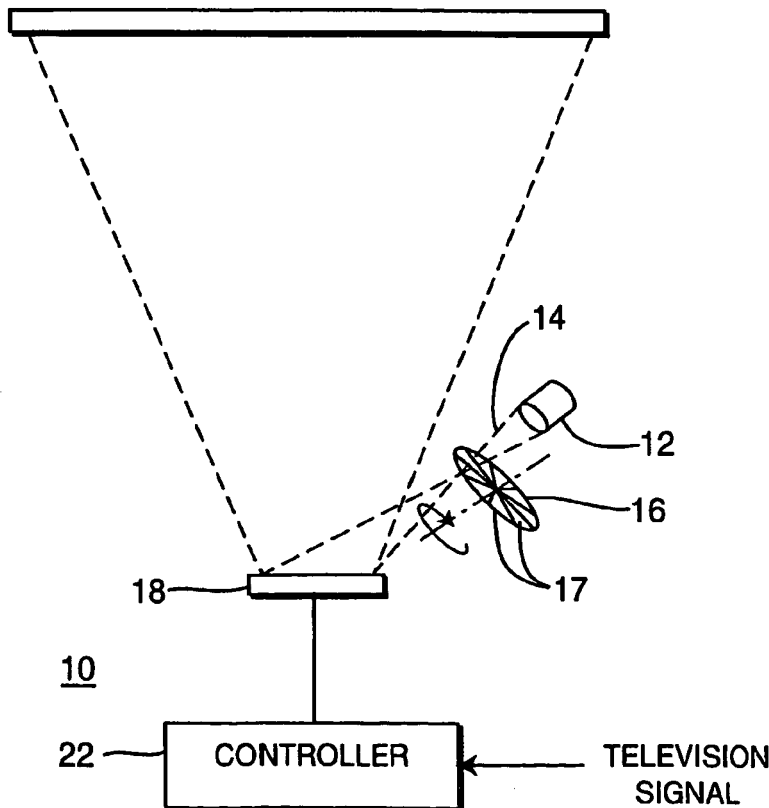
(57) Abstract: To sequentially display pictures in a television signal (10), a first picture is separated into sets of red, green and blue segments (17), with each segment (17) of each color interleaved with the segments of the other colors in a first sequence for display in that sequence. Each successive picture is likewise separated into sets of red, green and blue segments (17), which each segment of each color interleaved with the segments of the other colors in a shifted sequence for display in that sequence. Shifting the color sequence of the segments of each successive picture among the primary colors so at least the first and last segment of each successive picture has a different color than the first and last segments, respectively, of the preceding picture serves to reduce the occurrence of motion artifacts that manifest themselves as a color distortion at the leading and trailing edges of a moving object followed by a viewer's eye.

Published:
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For two-letter codes and other abbreviations, refer to the "Guid- ance Notes on Codes and Abbreviations" appearing at the begin- ning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

	International application No.
	PCT/US03/21040

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : H04N 9/12
US CL : 348/743

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 348/743, 456, 602, 607, 742

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, sequential display, set segment, color wheel

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4,399,455 A (ALVAREZ) 16 AUGUST 1983, Figs. 1 and 2, column 4, lines 53-68.	1-11
X	US 2002/0054031 A1 (ELLIOTT ET AL) 09 May 2002, Figs. 3, 5 and 6, Page 3, [0028]-[0037].	1-11
A	US 6,453,067 B1 (MORGAN et al) 17 September 2002, Fig. 5.	1-11
A	US 5,984,478 A (DOANY et al) 16 November 1999, Fig. 2.	1-11

☐ Further documents are listed in the continuation of Box C.   ☐ See patent family annex.

*	Special categories of cited documents:	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A"	document defining the general state of the art which is not considered to be of particular relevance		
"E"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O"	document referring to an oral disclosure, use, exhibition or other means		
"P"	document published prior to the international filing date but later than the priority date claimed	"&"	document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
30 April 2004 (30.04.2004)	09 JUN 2004

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